

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/000141

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04Q 7/34**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04Q 7/34, G06F 15/173, H04L 12/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS "NMS", "MIB", "NE", "object", "type"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | US5889470A (Paradyne Corp.) 30 March 1999 see the whole document | 1 |
| Y | US20020152294A1 (Evans, Stephan et al.) 17 October 2002 see the abstract | 1 |
| A, P | KR1020040022057 (LG Electronics Ltd.) 11 March 2004 see the whole document | 1-6 |
| A, P | KR1020040110210 (Samsung Electronics Ltd.) 31 December 2004 see the abstract | 1-6 |
| A | US20020188719A1 (Pham, Hien-Thong et al.) 12 December 2002 see the abstract | 1-6 |



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 APRIL 2005 (27.04.2005)

Date of mailing of the international search report

28 APRIL 2005 (28.04.2005)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/000141

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|--|--|
| US5889470A | 30.03.1999 | US5889470A US05889470 | 30.03.1999 30.03.1999 |
| US20020152294A1 | 17.10.2002 | US2002152294AA | 17.10.2002 |
| KR1020040110210 | 31.12.2004 | US2005015476A1 US20050015476A1 US2005015476AA | 20.01.2005 20.01.2005 20.01.2005 |
| US20020188719A1 | 12.12.2002 | AT285643E DE60107930C0 EP01263165A1 EP01263165B1 EP1263165A1 EP1263165B1 EP1263165A1 US2002188719AA | 15.01.2005 27.01.2005 04.12.2002 22.12.2004 04.12.2002 22.12.2004 04.12.2002 12.12.2002 |